

CITY OF WEST LAFAYETTE

W E T W E A T H E R P R O G R A M

Plaza Parks/Cumberland Park Drainage Improvements

Situated between North Salisbury Street and Yeager Road, the Plaza Parks neighborhood has approximately 140 homes along its winding streets. Residents often enjoy the many amenities of the nearby 62-acre Cumberland Park.

Stormwater runoff from these communities drains to an existing ditch along Manchester Street through a channel in the Michaud-Sinninger Woods within Cumberland Park. From the park, stormwater is released into Cole Ditch north of Kalberer Road, and it eventually flows to the Wabash River.

While the city's stormwater conveyance system is designed to carry



Improvements to Reduce Standing Water



stormwater away from streets and homes, the clay-like soils and high water table in the Plaza Parks/Cumberland Park area often prevent proper stormwater drainage. Residents and park visitors have expressed concern to the city about flooding in streets, backyards and the park. Standing water such as this can create dangerous driving conditions, damage public and private property, and result in an unhealthy environment for residents.

To improve drainage in the neighborhoods and protect the integrity of the park, the City of West Lafayette is considering several stormwater improvements including upgrades to the Manchester Street Ditch and channel and stormwater quality improvements in Cumberland Park. The drainage project will improve the flow of stormwater to Cole Ditch, and

Project to Preserve Park Integrity, Reduce Flooding

Highlights

Project: Water quality and drainage improvements

Estimated Project Cost: \$2,800,000

Status: Planning

Project Benefits:

- Improved stormwater drainage to Cole Ditch
- Improved stormwater quality in local waterways and the Wabash River
- Reduced flooding in neighborhoods
- Integrity of Cumberland Park protected

reduce flooding. When the land north of Kalberer Road is developed by the Purdue Research Foundation, the drainage improvement project also will accommodate the increased stormwater runoff.

The Plaza Parks/Cumberland Park Drainage Improvements project is part of West Lafayette's capital improvement program to improve the water quality of the Wabash River and other local streams and to address poor drainage conditions. The projects will reduce chronic flooding and satisfy the requirements of the U.S. Environmental Protection Agency and the Indiana Department of Environmental Management.

